AMENDMENTS TO THE CLAIMS

1   1.   (Currently Amended) A system for managing data in multiple data

2 processing devices using common data paths, comprising:

3   a first data processing system comprising a memory, wherein said memory

4 comprises a cacheable coherent memory space; and

5   a second data processing system communicatively coupled to said first data

6 processing system, said second data processing system comprising at least one bridge,

7 wherein said bridge is operable to perform an uncacheable remote access to said

8 cacheable coherent memory space of said first data processing system; and

9   wherein said uncacheable remote access performed by said bridge comprises

10 writing data to said memory of said first data processing system for incorporation into

11 said cacheable coherent memory space of said first data processing system;

12   wherein said data written by said bridge during said uncacheable remote access

13 participates in a cacheable coherent memory protocol in said cacheable coherent memory

14 space;

15   data said written by the bridge during said uncacheable remote access is processed

16 by said first data processing system to convert the data to conform to a cacheable

17 coherent memory protocol in the cacheable memory space and wherein the converted

18 data in said cacheable coherent memory space is accessed by an agent subsequent to said

19 conversion; and

20   wherein the remote access by said bridge to perform said data write is performed

21 in accordance with a set of predetermined ordering rules.

1   2.   (Canceled)

1   3.   (Previously Presented)   The system of claim 1, wherein said

2 uncacheable remote access performed by said bridge comprises reading data from said

3 cacheable coherent memory space of said first data processing system.

1   4.   (Canceled)

1   5.   (Canceled)

1   6.   (Currently Amended) The system of claim ~~5~~ 1, wherein said remote
2   access by said bridge and said subsequent access by said agent conform to a producer-
3   consumer protocol, wherein said bridge corresponds to the producer and said agent
4   corresponds to the consumer of said producer-consumer protocol.

1   7.   (Previously Presented)   The system of claim 6, wherein said data
2   written by said bridge comprises a payload and a flag, with said flag and said payload
3   both residing in a node defined by said first data processing system.

1   8.   (Canceled)

1   9.   (Previously Canceled)

1   10.   (Currently Amended) A method for managing data in multiple data
2   processing devices using common data paths, comprising:
3   establishing a cacheable coherent memory space in a first data processing system;
4   and
5   accessing said cacheable coherent memory space with a second data processing
6   system communicatively coupled to said first data processing system, said second data
7   processing system comprising at least one bridge;
8   wherein said bridge performs an uncacheable remote access to said cacheable
9   coherent memory space of said first data processing system;
10   wherein said uncacheable remote access performed by said bridge comprises
11   writing data to said memory of said first data processing system for incorporation into
12   said cacheable coherent memory space of said first data processing system;
13   wherein data written by said bridge during said uncacheable remote access
14   participates in a cacheable coherent memory protocol in said cacheable coherent memory
15   space;

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16   wherein said data written by said bridge during an uncacheable remote access is

17   processed by said first data processing system to convert the data to conform to a

18   cacheable coherent memory protocol in the cacheable memory space and wherein the

19   converted data in said cacheable coherent memory space is accessed by an agent

20   subsequent to said conversion; and

21   wherein the remote access by said bridge to perform said data write is performed

22   in accordance with a set of predetermined ordering rules.

1   11.   (Canceled)

1   12.   (Previously Presented)   The method of claim 10, wherein access

2   performed by said bridge comprises reading data from said cacheable coherent memory

3   space of said first data processing system.

1   13.   (Canceled)

1   14.   (Canceled)

1   15.   (Currently Amended) The method of claim ~~14~~ 11, wherein said remote

2   access by said bridge and said subsequent access by said agent conform to a producer-

3   consumer protocol, wherein said bridge corresponds to the producer and said agent

4   corresponds to the consumer of said producer-consumer protocol.

1   16.   (Previously Presented)   The method of claim 15, wherein said data

2   written by said bridge comprises a payload and a flag, with said flag and said payload

3   both residing in a node defined by said first data processing system.

1   17.   (Canceled)

1   18.   (Previously Canceled)